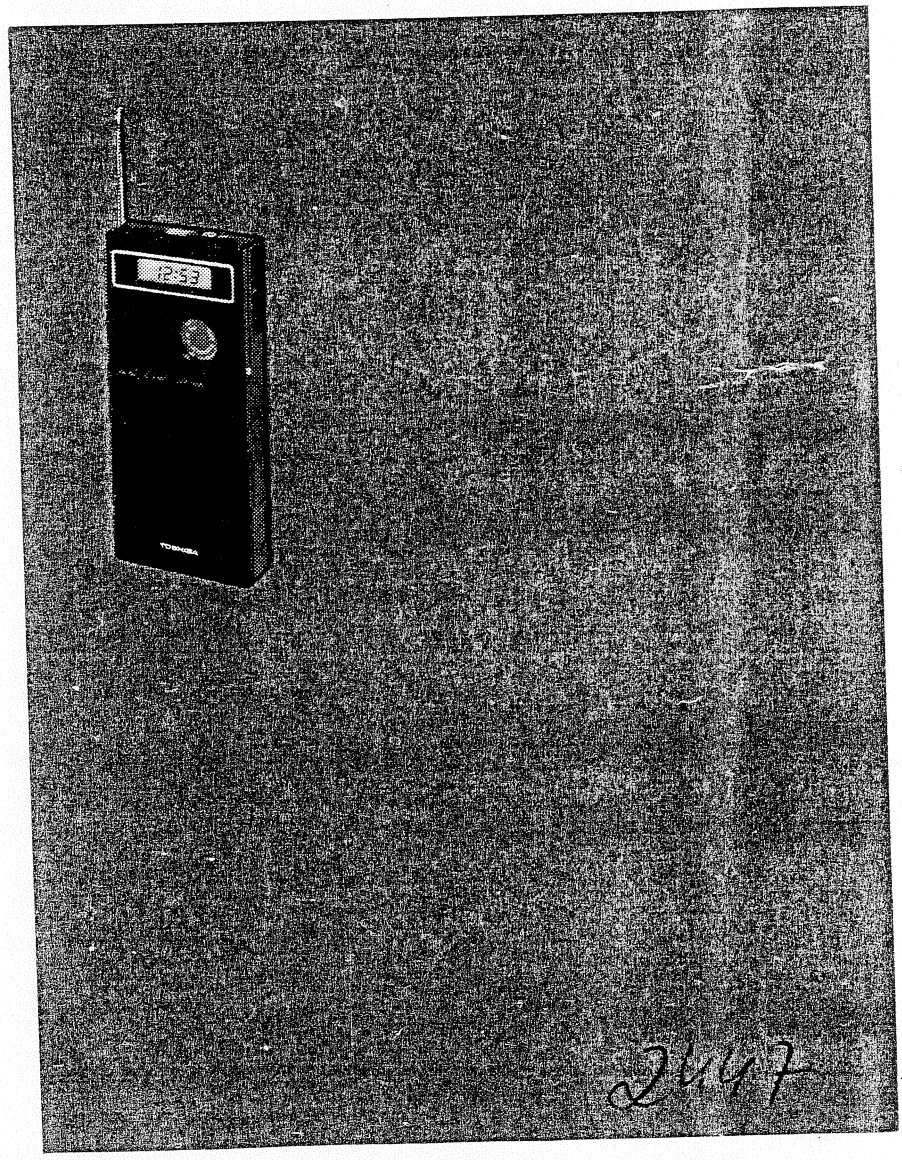
Owner's Manual

TOSH -02447

TOSHIBA

LCD QUARTZ CLOCK RADIO

QR-2000



Congratulations on purchasing the TOSHIBA QR-2000 digital quartz clock radio. To ensure the unit provides the optimum service, please read this manual carefully before use.

How to load the batteries

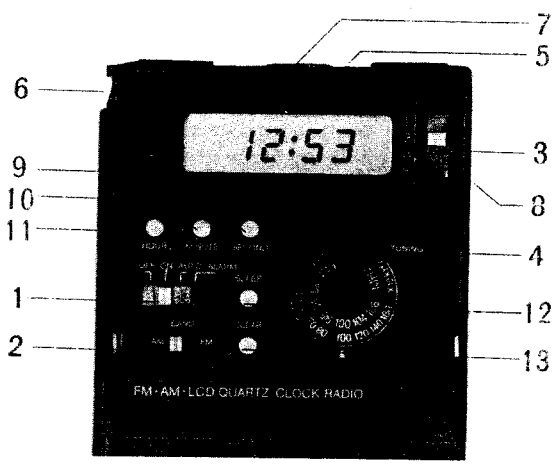
For Radio: Detach the battery cover by sliding it in the direction of the arrow. Insert two UM-3 ("AA" Cell) batteries with polarities (+ —) as indicated.

For clock: Detach the battery cover on the rear by sliding it in the direction of the arrow. Insert a clock battery [76 (G-13) type] with polarity (+ —) as indicated. Then close the cover. The clock starts when the battery is loaded. Adjust the time according to the instructions.

Controls and functions

1. Function switch: OFF/ON/AUTO/ALARM

OFF: Radio and alarm (with electronic sound) do not operate. (When sleep button is pushed, the radio is on, and you can stop the radio by pushing the clear button.)



ON: Radio is on. A low alarm tone will sound at the time set. You can stop the alarm by pushing the clear button.

AUTO: Radio switches on at the desired time, and continues for a little over one hour (64 minutes)

ALARM: Alarm and radio switch on at the desired time. Alarm continues for 4 minutes and radio continues for about one hour.

2. Band switch : FM AM

Switch for FM and AM selection.

3. Volume control: VOL

Control of radio volume.

4. Tuning knob: TUN

Selection of radio station.

5. Earphone jack:

Private listening is possible by plugging in the earphone. The earphone cord functions as an antenna for strong FM signals which can be received without extending the rod antenna

6. Rod antenna:

For FM fully extend and adjust the angle.

7. Light/Snooze:

Push this button to light the time display. When this button is pushed while alarm is buzzing, the alarm stops for about 4 minutes, then buzzes again.

8. Time display select switch: 1-2-3-4

(1) Alarm indicator

When set at this position the alarm time is indicated. Change the alarm time using Hour and Minute buttons.

(2) Time adjusting

Set at this position for setting time using the Hour and Minute buttons.

(3) Second indicator

Indicates seconds and the unit digit (0-9 only) of minutes.

(4) Time indicator

Indicates the actual time. The time will not change even if you push the Hour or Minute buttons.

*Set this at the position for normal use.

9. Second reset button: SECOND

When you push this button, the seconds will revert to "00" within plus or minus 30 seconds.

10. Minute adjustment button: MINUTE

At position 1 and 2 of the time display select switch, push to advance the minute display.

11. Hour adjustment button: HOUR

At position 1 and 2 of the time display select switch, push to advance the hour display.

12. Sleep button: SLEEP

By pushing this button, the sleep function switches off the radio automatically a little over one hour (64 minutes) later. The sleep function will not work when the function switch is at the "ON" position.

13. Clear (cancellation) button: CLEAR

Push this button to stop the radio in the sleep mode or stop the radio and alarm in the AUTO and ALARM modes.

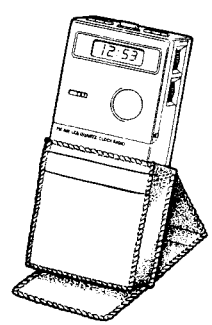
14. Setting the time:

Set Time Display Select Switch (8) to position 2.

Set the hour by pressing Hour button (11) and the minutes by pressing the Minute button (10).

To set the time exactly using radio or telephone time signal set Time Display Select Switch (8) to position 3. By pressing the Second Reset Button (9) to coincide with the time signal, the seconds will be reset to zero.

(You should note that the seconds will zero to the nearest minute.)



This carrying case may also be used as shown in the illustration.

Notes:

1. Since LCD (Liquid crystal display)is used, be sure to use the radio within the working temperature range of 0°C – 40°C. Do not store the unit where the temperature is less than – 20°C or more than + 50°C.
2. If the cabinet is stained, wipe it with a soft cloth lightly dipped in soapy water and wrung well. Do not use solvents such as benzine and alcohol.
3. If you will not be using the radio for a long period of time, remove the UM-3 ("AA" Cell) battery from the battery compartment.

Features:

1. High precision quartz clock radio with a ±15 second error a month.
2. Easy-to-Read large FE type LCD digital time display.
3. The battery for the clock will run continuously for about two years.
4. Pleasant electronic alarm sound.
5. Alarm over radio function.
6. "Muting" function for radio volume to adjust to low volume when sleeping and loud volume upon waking up.
7. Snooze (repeat alarm) switch for when dozing off.
8. Earphone cord can be used as antenna to FM radio.
9. Illumination to read time in the dark.
10. Newly developed 50mm speaker and 200mW (10% distortion) power output offer unusually rich and clear sound.

Specifications:

Radio section:

Frequency range:	FM 88–108 MHz AM 525–1605 kHz
Power output:	200mW
Speaker:	50mm
Battery:	UM-3 ("AA" Dry Cell) x 2 DC 3V

Clock section:

Display:	FE type LCD
Accuracy:	± 15 seconds per a month (at temperature 25°C constant)
Quartz frequency:	32.768 kHz
Battery:	76 (G-13) type DC 1.5 V

Battery life:	Approximately two years.

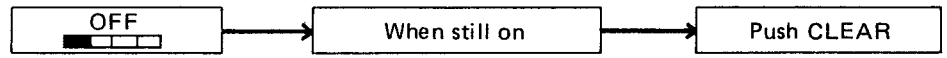
General:

Operating temperature	0°C – 40°C
Semiconductors:	1 C-MOS LSI, 13 transistors, 12 diodes
Dimensions:	65W x 137H x 21D (mm)
Weight:	240 gr.
Accessories:	Carrying case, Earphone, 1. 76 (G-13) type battery 2. Dry cell batteries (UM-3)

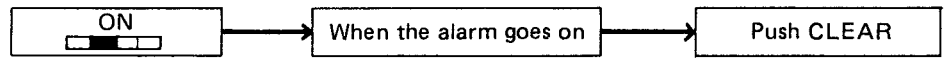
Using the various functions:

Regarding the basic operation of the QR-2000 refer to the instructions on the reverse side.

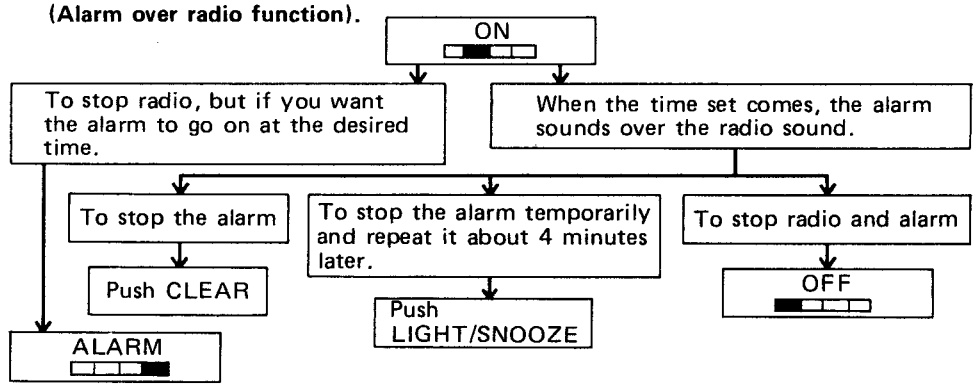
1. To stop the radio and alarm, when are both on.



2. To switch off the alarm and leave the radio on.

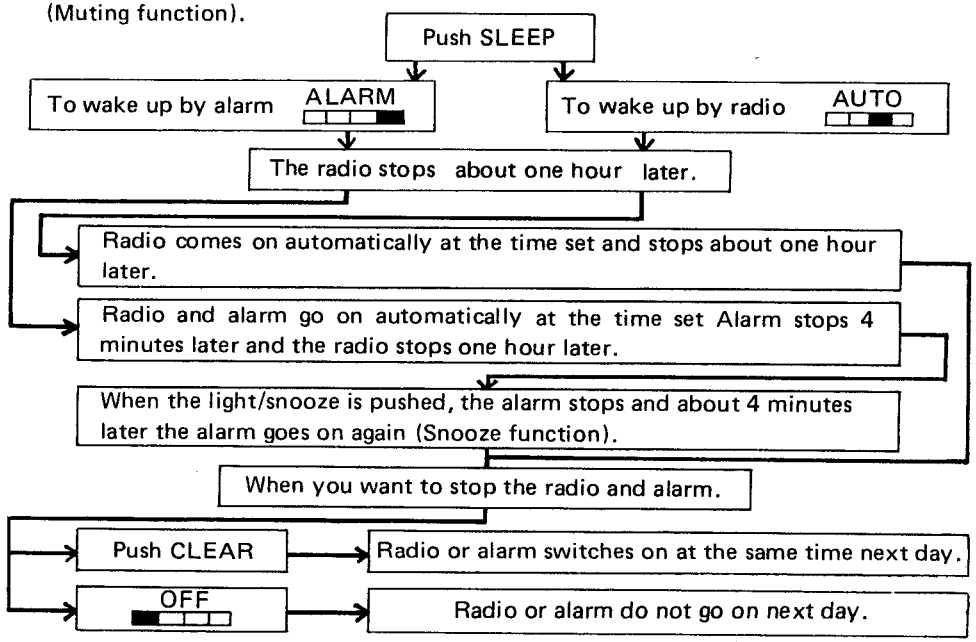


3. While you are listening to the radio, and want the alarm to go on at desired time (Alarm over radio function).


ON
To stop radio, but if you want the alarm to go on at the desired time.
When the time set comes, the alarm sounds over the radio sound.
To stop the alarm
To stop the alarm temporarily and repeat it about 4 minutes later.
To stop radio and alarm
Push CLEAR
Push LIGHT/SNOOZE
OFF
ALARM

4. When you want to fall asleep listening to the radio and wake up to the sound of the radio and alarm (Sleep function)

Radio sound decreases, and at the time set, radio switches on at normal volume. (Muting function).


Push SLEEP
To wake up by alarm ALARM
To wake up by radio AUTO
The radio stops about one hour later.
Radio comes on automatically at the time set and stops about one hour later.
Radio and alarm go on automatically at the time set Alarm stops 4 minutes later and the radio stops one hour later.
When the light/snooze is pushed, the alarm stops and about 4 minutes later the alarm goes on again (Snooze function).
When you want to stop the radio and alarm.
Push CLEAR
Radio or alarm switches on at the same time next day.
OFF
Radio or alarm do not go on next day.